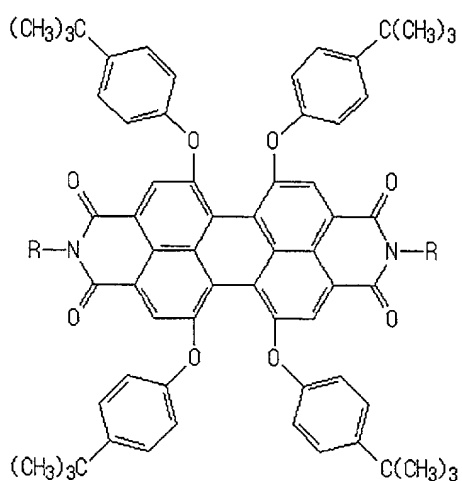


WHAT IS CLAIMED IS:

1. A chemiluminescent composition emitting red light comprising a solvent, an oxalate compound and a perylene compound represented by the following formula 2:

<formula 2>



in which, R is a C<sub>12</sub>-C<sub>20</sub> alkyl group, wherein the perylene compound is present in the composition in an amount of 0.1 to 0.5 % by weight, based on the total composition.

2. The chemiluminescent composition as set forth in claim 1, wherein the perylene compound represented by formula 2 is selected from the group consisting of N,N'-didodecyl-

1,6,7,12-tetrakis(4-t-butylphenoxy)-3,4,9,10-perylene  
tetracarboxdiimide, N,N'-dihexadecyl-1,6,7,12-tetrakis(4-t-  
butylphenoxy)-3,4,9,10-perylenetetracarboxdiimide, and N,N'-  
dioctadecyl-1,6,7,12-tetrakis(4-t-butylphenoxy)-3,4,9,10-  
5 perylenetetracarboxdiimide.

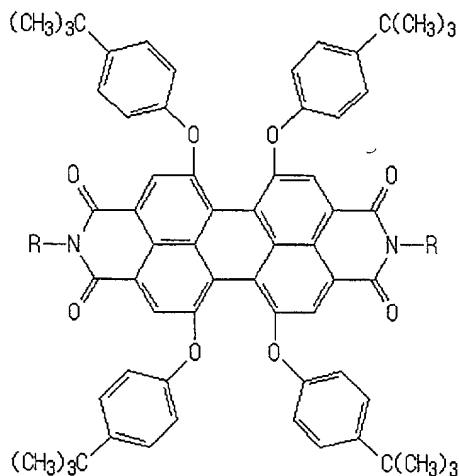
3. The chemiluminescent composition as set forth in  
claim 1, wherein the oxalate compound is bis(2,4,5-trichloro-  
6-carbopentoxyphenyl)oxalate.

4. The chemiluminescent composition as set forth in  
claim 1, wherein the oxalate compound is present in the  
composition in an amount of 5 to 18 % by weight, based on the  
total composition.

5. The chemiluminescent composition as set forth in  
claim 1, wherein the solvent is selected from the group  
consisting of dibutyl phthalate, dibutyl benzoate and  
mixtures thereof.

6. A chemiluminescent composition comprising a  
solvent, an oxalate compound, a perylene compound represented  
by the following formula 2, and a peroxide component:

<formula 2>



5 in which, R is a C<sub>12</sub>-C<sub>20</sub> alkyl group,  
wherein the perylene compound is present in the composition  
in an amount of 0.1 to 0.5 % by weight, based on the total  
composition.

10 7. The chemiluminescent composition as set forth in  
claim 6, wherein the peroxide component is included in a  
solution form in the composition.

15 8. The chemiluminescent composition as set forth in  
claim 7, wherein the solution of the peroxide component  
includes the peroxide in an amount of 1 to 5 % by weight,  
based on the solution.

9. The chemiluminescent composition as set forth in claim 7, wherein the solution of the peroxide component contains a solvent.

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10. The chemiluminescent composition as set forth in claim 9, wherein the solvent is selected from the group consisting of dibutyl phthalate, dimethyl phthalate, dibutyl benzolate, and mixtures comprising at least one of foregoing.

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11. The chemiluminescent composition as set forth in claim 7, wherein the solution including the peroxide component contains a catalyst.

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12. The chemiluminescent composition as set forth in claim 11, wherein the catalyst is salicylate.

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13. The chemiluminescent composition as set forth in claim 11, wherein the catalyst is contained in an amount of 0.001 to 0.05 % by weight, based on the total solution of the peroxide component.